

217/782-2113

"REVISED"

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT

PERMITTEE

Elmhurst-Chicago Stone Company  
Attn: Mr. Peter Stamatopoulos  
400 West 1st Street  
Elmhurst, Illinois 60126

Application No.: 72121164

I.D. No.: 043412AAE

Applicant's Designation:

Date Received: March 20, 2003

Subject: Concrete Batch Plant

Date Issued: June 17, 2003

Expiration Date: April 13, 2006

Location: Reese and Monger Roads, Bartlett

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of a truck-mix concrete batch plant with baghouse pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., PM<sub>10</sub> to less than 100 tons/year). As a result the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permits issued for this location.
- 2a. The concrete batch plant shall be maintained and operated in accordance with good air pollution practices to minimize emissions.
- b. i. The concrete production by the batch plant shall not exceed 1,200 cubic yards per day and 438,000 cubic yards per year.  
(Equivalent to production of 2,400 and 876,000 tons of concrete per day and year, respectively.)
- ii. The amount of cement received by of the batch plant shall not exceed 131,400 tons per year.
- c. Emissions and operation of the truck-mix concrete batch plant shall not exceed the following limits:

Concrete Production		
(Ton/Day)	(Ton/Month)	(Ton/Year)
2,400	175,200	876,000

Equipment	Throughput		Emission		
	(T/Mo)	(T/Yr)	Factor (Lb/T)	PM Emissions (T/Mo)	(T/Yr)
Cement Silo Loading	26,300	131,400	0.00099	0.02	0.07
Aggregate Transfer	81,300	406,500	0.0069	0.29	1.41
Sand Transfer	62,200	311,000	0.0021	0.07	0.33
Weigh Hopper Loading	175,200	876,000	0.0051	0.45	2.24
Truck Loading	175,200	876,000	0.0915	<u>8.02</u>	<u>40.08</u>
			Totals:	8.85	44.13

Equipment	Throughput		Emission		
	(T/Mo)	(T/Yr)	Factor (Lb/T)	PM <sub>10</sub> Emissions (T/Mo)	(T/Yr)
Cement Silo Loading	26,300	131,400	0.00034	0.01	0.03
Aggregate Transfer	81,300	406,500	0.0033	0.14	0.67
Sand Transfer	62,200	311,000	0.00099	0.04	0.16
Weigh Hopper Loading	175,200	876,000	0.0024	0.21	1.05
Truck Loading	175,200	876,000	0.0225	<u>1.98</u>	<u>9.86</u>
			Totals:	2.38	11.77

These limits are based on the maximum concrete production and standard AP-42 emission factors and mix ratios except for 15% cement content. The truck loading emission factors are derived based on this cement content. Compliance with annual limits shall be determined from a running total of 12 months of data.

3. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including any material handling or storage activity beyond the property line of the source, pursuant to 35 Ill. Adm. Code 212.301.
4. The Permittee shall, in accordance with the manufacturer(s) and/or vendor(s) recommendations, perform periodic maintenance on the pollution control equipment covered under this permit such that the pollution control equipment be kept in proper working condition and not cause a violation of the Environmental Protection Act and regulations promulgated therein.
- 5a. The Permittee shall maintain records of the written procedures followed for inspection and maintenance of the plants by the Permittee and the procedures recommended by the manufacturer or vendor of pollution control equipment for inspection and maintenance of their equipment.
- b. The Permittee shall maintain the following operating records for the concrete batch plant:
  - i. Concrete production (tons/day, tons/month and tons/year); and
  - ii. Cement received (tons/month and tons/year).

6. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.
7. If there is an exceedance of the requirements of this permit as determined by the records required by this permit or by other means, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
8. Two copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

and one copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
9511 West Harrison  
Des Plaines, Illinois 60016

9. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year:
  - a. Concrete production (tons/year);
  - b. Maximum concrete production on any day (tons/day); and
  - c. Cement throughput (tons/year).

It should be noted that this permit has been revised to incorporate the current AP-42 emission factors.

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If you have any questions on this permit, please call Jim Kallmeyer at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

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cc: Illinois EPA, FOS Region 1  
Lotus Notes

### Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from concrete and aggregate plants operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. This is handling 2,400 tons of concrete per day. The resulting maximum emissions are well below the levels, e.g., 100 tons per year of PM<sub>10</sub> at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled, and control measures are more effective than required in this permit.

1. Emissions and operation of the truck-mix concrete batch plant shall not exceed the following limits:

	Concrete Production					
	(Ton/Day)	(Ton/Month)	(Ton/Year)			
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Equipment	Throughput		Emission Factor (Lb/T)	PM Emissions	
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